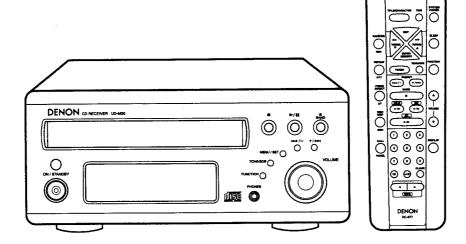
DENON

Hi-Fi Personal Component System

SERVICE MANUAL MODEL UD-M30

STEREO CD RECEIVER



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Some illustrations using in this service manual are slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

■ RECEIVER SECTION

FM: 87.5 MHz - 108.0 MHz Reception frequency band:

AM: 520 kHz - 1710 kHz (U.S.A. & Canada model)

522 kHz - 1611 kHz (Europe & Asia model)

Reception sensitivity: FM: $1.5 \,\mu\text{V}/75 \,\Omega\text{/ohms}$

AM: 20 μV

FM stereo separation:

35 dB (1 kHz)

Rated output power: 20 W + 20 W (6 Ω/ohms, 1 kHz, T.H.D. 10 %)

LINE1 input/output jacks, LINE2 input/output jacks, PRE OUT (with STEREO/ Audio input/output jacks:

MONO selector switch) jack, 3.5 mm headphones jack

■ CD PLAYER SECTION

Wow & flutter: Below measurable limits (±0.001 % W.peak)

Sampling frequency: 44.1 kHz Optical source: Semiconductor

■ CLOCK, TIMER SECTION

Clock system: Power source synchronous system

> Everyday timer (1 setting) Once timer (1 setting)

Sleep timer (maximam 60 min.)

■ GENERAL

Power supply: AC 120 V, 60 Hz (U.S.A. & Canada model)

AC 230 V, 50 Hz (Europe & Asia model)

Power consumption:

Maximum external dimensions:

210 (W) × 95 (H) × 325 (D) mm (8-17/64" × 3-45/64" × 12-13/16")

(including feet, controls and terminals)

Mass: 3.8 kg (8 lbs. 6 oz)

■ REMOTE CONTROL UNIT (RC-877)

Infrared pulse Remote control system:

Number of buttons: 39

Power Supply:

Two DC 1.5 V R03/AAA batteries

Maximum external dimensions: 61 (W) × 188 (H) × 26 (D) mm (2-13/32" × 7-13/32" × 1-1/32") Mass: 120 g (4.2 oz) (including batteries)

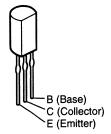
* Maximum dimensions include controls, jacks, and covers.

(W) = Width, (H) = Height, (D) = Depth

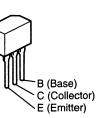
^{*} For improvement purposes, specifications and functions are subject to change without advanced notice.

• TRANSISTORS



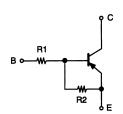


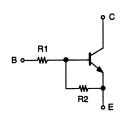
DTC114ES DTC143ZS



DTA114TK DTA114EK DTA115TK DTC114TK DTC114EK DTC144EK DTC323TK

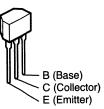
PNP Type





NPN Type

2SA933 (S)



2SA1037K 2SC2412K (S/R) 2SC3326 (A/B)



R1 R2 DTA114EK 10kΩ 10kΩ 10kΩ — DTA114TK DTA115TK 100kΩ

	R1	R2
DTC144EK	47kΩ	47kΩ
DTC323TK	2.2kΩ	_
DTC114EK	10kΩ	10kΩ
DTC114TK	10kΩ	_
DTC143ZS	4.7kΩ	47kΩ
DTC114ES	10kΩ	10kΩ

DIODES (LED Included)

1N4148





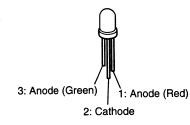










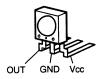


SLR-9336DS-91



• REMOTE CONTROL SENSOR

RPM6938-SV4 (IR701)



• OPTICAL OUTPUT TERMINAL

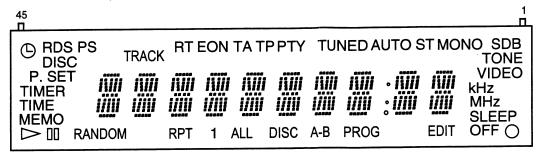
TOTX178A (IC601)



1: OUT 2: GND 3: Vcc

• FL DISPLAY

11-BT-182GNK (FL601)

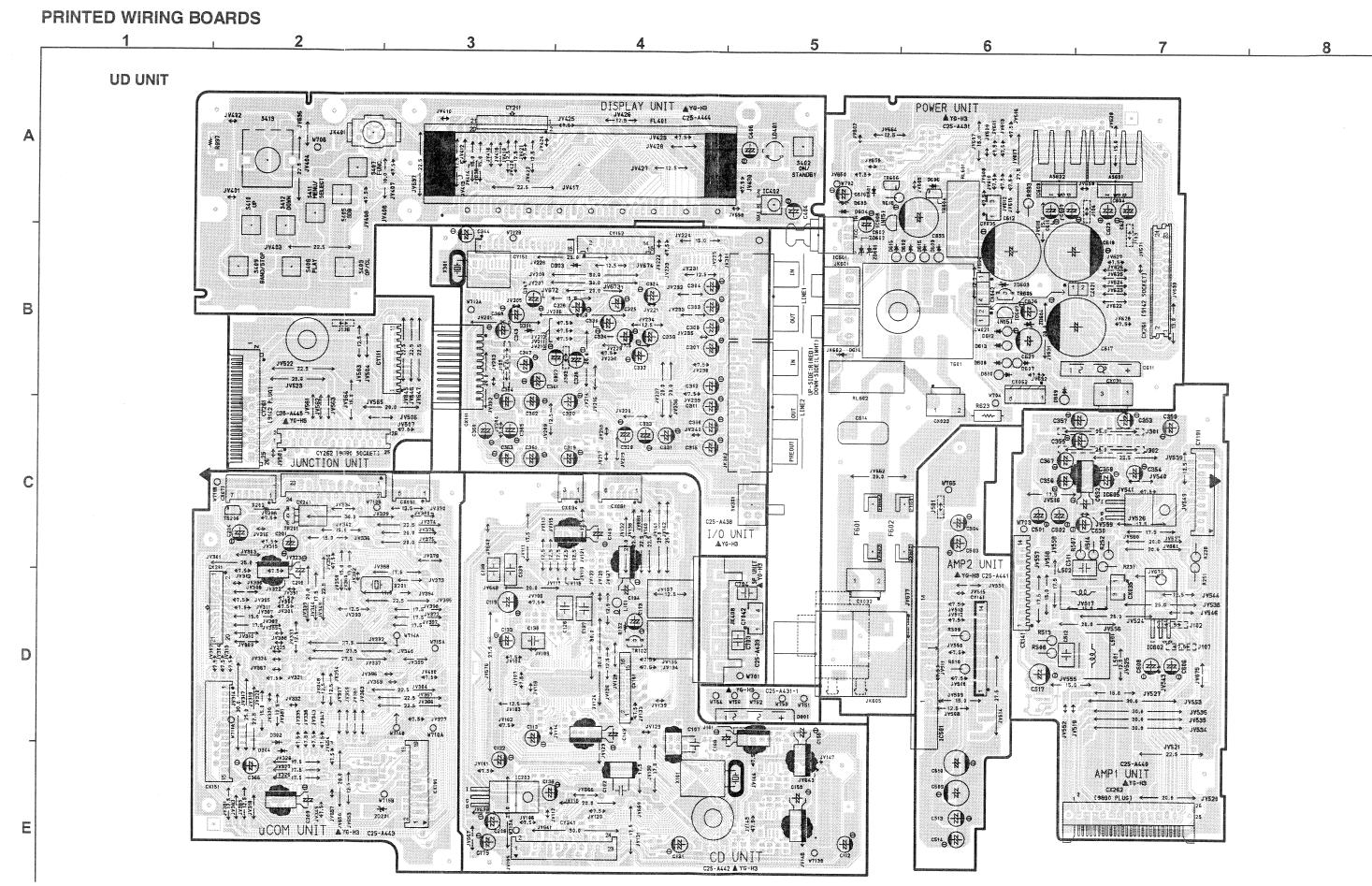


Pin Assignment

Pin No.	4 5	4	4	4 2	4	4	3	3 8	3 7	3 6	3 5	3	3 3	3	3	3	2 9	2 8	2 7	2 6	2 5	2 4	2 3	2	2	2 0	1 9	1 8	1 7	1 6	1 5	1	1 3	1 2	1	1 0	9	8	7	6	5	4	3	2	1
Connection	F 2	F 2	N P	N P	1 G	2 G	3 G	4 G	5 G	6 G	7 G	8 G	9 G	1 0 G	1 1 G	N C	P 2 5	P 2 4	P 2 3	P 2 2	P 2 1	P 2 0	P 1 9	P 1 8	P 1 7	P 1 6	P 1 5	P 1 4	P 1 3	P 1 2	P 1	P 1 0	P 9	P 8	P 7	P 6	P 5	P 4	P 3	P 2	P 1	N P	N P	F 1	F 1

Note:	1) F1,	, F2	Filame
	-:		

- No connection (NC pin should be electrically open on the PC board) Datum Line 4) DL..
- 5) 1G~11G..... Grid
- 6) Field of vision is a minimum of 39° from the upper side, 30° from the lower side.

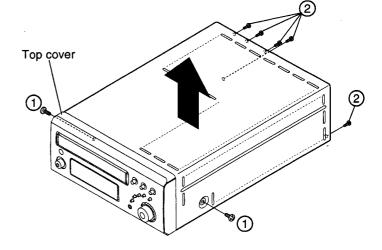


DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

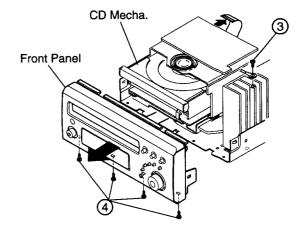
Top Cover

- 1. Remove 2 screws (1) on both sides.
- 2. Remove 5 screws (2) on the rear.
- 3. Detach the Top Cover to the arrow direction.



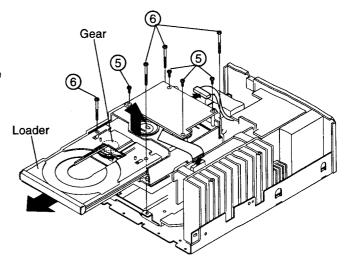
Front Panel

- 1. Disconnect FFC on the rear of the CD Mecha.
- 2. Remove 1 screw (3) fixing the wire on the radiator.
- 3. Remove 4 lower screws (4).
- 4. Detach the Front Panel with releasing the hooks on both sides.



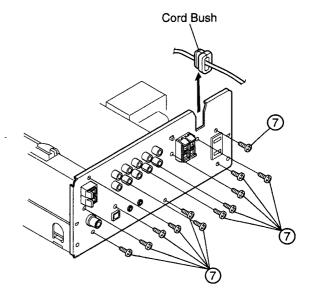
CD Mecha.

- 1. Disconnect FFC coming from the top of the CD Mecha.
- 2. Unplug the connector on the rear of the $\mu\text{com PWB}.$
- 3. Remove 4 screws (5) on the μ com PWB.
- 4. Fully pull out the loader by turning the gear under the loader of the CD Mecha.
- 5. Remove 4 screws (6) to detach the CD Mecha.



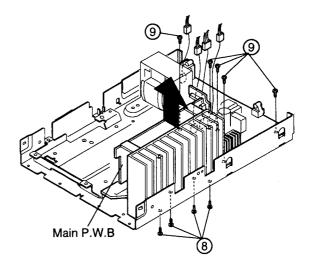
Rear Panel

- 1. Pull out the cord bush.
- 2. Remove 12 screws (7).



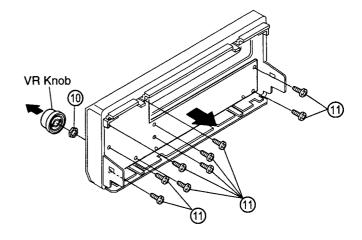
Main PWB

- 1. Remove 4 screws (8) fixing the radiator under the chassis.
- 2. Unplug 4 connectors on the Main PWB.
- 3. Remove 5 screws (9).
- 4. Detach the Main PWB together with the radiator and Power PWB.

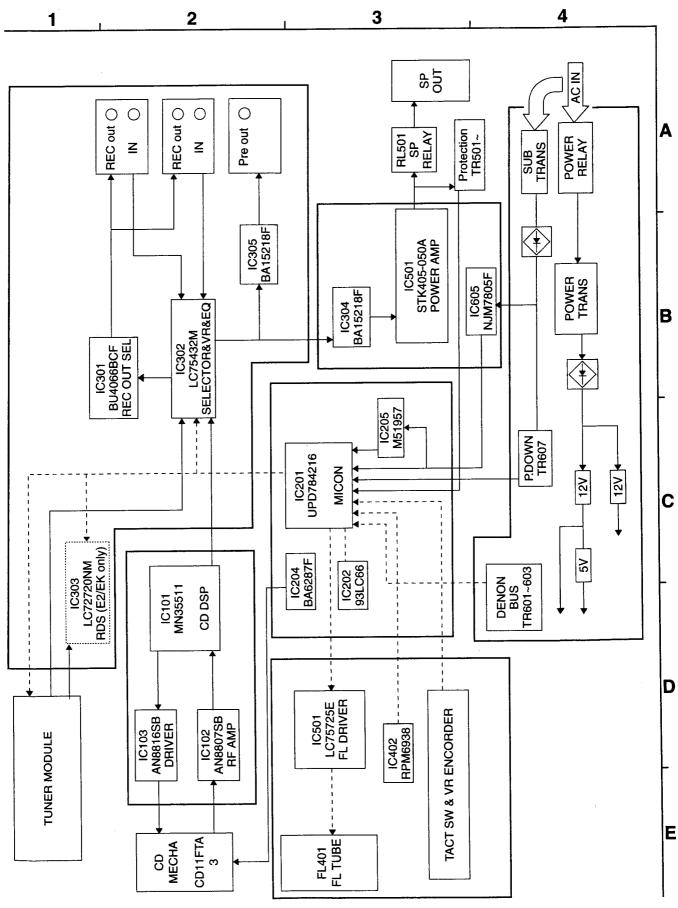


Display PWB

- 1. Pull out the VR knob.
- 2. Remove the VR nut 10.
- 3. Remove 9 screws 11.



BLOCK DIAGRAM



CONFIRMING THE SERVO

A microcomputer adopted in this unit has the service programs so that each servo adjustment can be performed easily by the operating buttons.

This unit which adopted digital servo has the ability to automatically adjust Focus Gain, Focus Balance, Focus Offset, Tracking Gain, Tracking Balance, and Tracking Offset.

1. Actuating the Service Program

Plug the AC cord while pressing the Power and Function keys. (Service program actuates and displays track number $\mathcal{Q}(1)$)

Note: The operating button do not function when service program actuates.

2. Operating Function at Service Program Actuation

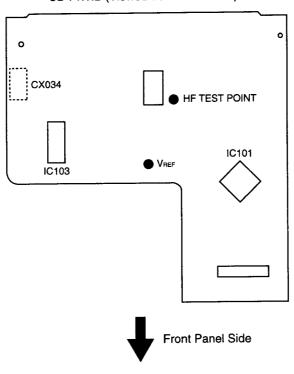
Button Operation	Function	Description
OPEN/CLOSE	Opens or closes the disc holder.	Opens or closes when disc is stopped.Operates other keys after open or close.
STOP	Stops system operation.	 Displays track number \$\mathcal{G}\$ 1. Press when adjustment completed or correcting it.
PLAY ►	Operates the Focus servo and turns disc.	Displays track number □ ⊇ when operation is completed.
144	Performs Focus servo, Tracking servo, Slide servo, Spindle servo and various automatically adjustment.	 Performs Tracking servo and Slide servo when pressing PLAY button. Displays track number \$\mathcal{G}\$ \$\mathcal{B}\$ when operation is completed. When unusualness is existed, displays index number (error message). But \$\mathcal{E}\$ \$\mathcal{G}\$, \$\mathcal{E}\$ - not error message.
▶	Displays automatically adjustment effect of FG, FEXP, FBAL, FOFS, TG, TEXP, TBAL and TOFS.	 Press ■ button when ◄ button operation is completed. When pressing ▶▶ button every once, displays automatically adjusting value about FG, FBAL, FOFS, TG, TBAL, and TOFS in the sequence. Displays following indication:
		INDEX TIME FG 0 1 XXmXXs FBAL 0 2 XXmXXs FOFS 0 3 XXmXXs TG 0 4 XXmXXs TBAL 0 5 XXmXXs TOFS 0 8 XXmXXs
Other Buttons	No normal operation.	Do not operate other button except above. When an error occures, immediately turn power switch OFF.

Note: Do not use remote control during service program operation.

3. Comfirming Method

- (1) Required Measuring Equipments for adjustment
 - 1. Dual-trace oscilloscope
 - 2. Adjustment disc TCD-784 (ABEX)
- (2) Adjustment location

CD P.W.B (Viewed from the bottom)



- (3) Confirming procedure
 - 1. Actuate service program.
 - 2. Load adjustment disc TCD-784.

 - 3. Press ▶ to indicate track number □ ⊇.
 4. Press ► to indicate track number □ ∃.
 - 5. Press button.
 - 6. When pressing button every once, confirm automatically adjusting values about FG, FBAL, FOFS, TG, TBAL and TOFS (refer to table 1 for the limits of value).
 - 7. When service program is completed, return to normal mode (turn power switch ON).
 - 8. Confirm HF level.
- (4) Pickup current measurement
 - 1. Press ▶ to indicate track number □ ≥.
 - 2. Press \blacktriangleleft to indicate track number $\bar{\mathcal{Q}}$ \exists .
 - 3. Measure the voltage between 1 pin and 3 pin of CX034, and confirm that the value is 1.4 V or less (normally 0.9 V or around).

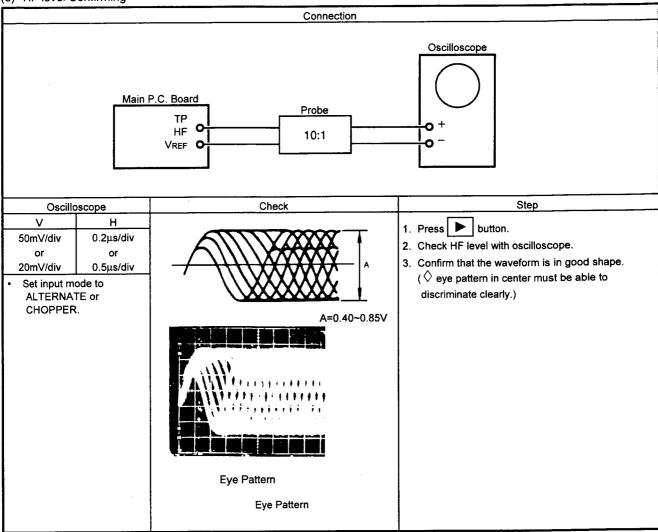
- (5) Confirm automatically adjustment values about FG, FBAL, FOFS, TG, TBAL and TOFS.
 - 1. Press \triangleright button, displays track number $\mathcal{Q} \supseteq$.
 - 2. Press ◄◀ button, displays track number ☐ ∃.
 - 3. Press button, displays track number 🖟 1.
 - 4. Press ▶▶ button, displays FG (Focus Gain Tentative) value, confirm the value within the limits of table 1.
 - 5. Press ▶▶ button, displays FBAL (Focus balance) value, confirm the value within the limits of table 1.
 - 6. Press ▶▶ button, displays FOFS (Focus offset) value, confirm the value within the limits of table 1.
 - 7. Press button, displays TG (Tracking Gain) value, confirm the value within the limits of table 1.
 - 8. Press button, displays TBAL (Tracking Balance) value, confrirm the value within the limits of table 1.
 - 9. Press ▶▶ button, displays TOFS (Tracking Offset) value, confirm the value within the limits of table 1.

Confirming Table about Digital Servo Adjusting Value (table 1)

	TRACK INDEX	XXMXXS
FG	0 <u>0 </u>	м42s~1м00s
FBAL	0 <u>0 2</u>	-1м25s~1м25s
FOFS	0 <u>0 3</u>	-м35s~м35s
TG	0 1 <u>0 4</u>	м51s~1 м 56s

TBAL	0 <u>05</u>	–58s∼1м04s
TOFS	0 <u>06</u>	–м15s~м15s

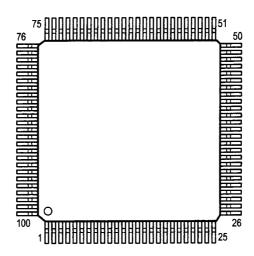
(6) HF level Confirming



SEMICONDUCTORS

• IC's

μPD784216AGC-109-8EU (IC201)

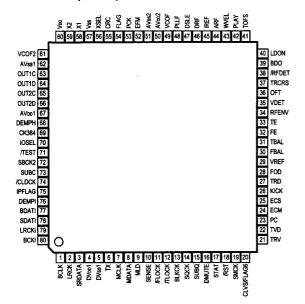


μPD784216AGC-109-8EU Terminal Function

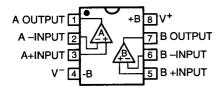
Pin. No.	Name	Symbol	1/0	Function
1	P120/RTP0	ENC A	1	Rotary encoder INPUT A
2	P121/RTP1	ENC B	1	Rotary encoder INPUT B
3	P122/RTP2	V.MUTE	0	Volume mute output, mute: Low
4	P123/RTP3	/POWER	0	Amp circuit power ON/OFF output, ON: High
5	P124/RTP4	/RMUTE	0	Speaker Relay ON/OFF output, ON: High
6	P125/RTP5	N.C	0	
7	P126/RTP6	SEL. EEPROM	0	EEPROM chip enable output
8	P127/RTP7	FLCE	0	Chip select output to FL tube controller
9	VDD	VDD		Positive power: +5V
10	X2	X2	_	X'tal connection for main clock oscillation
11	X1	X1	1	X'tal connection for main clock oscillation
12	Vss	Vss		GND potential
13	XT2	XT2	_	X'tal connection for main sub-clock oscillation, not used
14	XT1	XT1	ı	X'tal connection for main sub-clock oscillation, not used: Connect to Vss or Vcc
15	/RESET	/RESET	1	Micro-computer reset input
16	P00/INTP0	REMOCON	ı	Remote-control receive data input
17	P01/INTP1	50/60	1	50/60Hz AC input
18	P02/INTP2/NMI	/DB RXD	1	DENON BUS Data input (interrupt input)
19	P03/INTP3	PROTECT	1	Speaker Terminal DC voltage detect signal input L: protect
20	P04/INTP4	N.C	0	
21	P05/INTP5	BLKCK		Subcode bitclock input
22	P06/INTP6	/INT	1	VCD Interrupt request
23	AVDD	AVDD	_	A/D converter analog power: +5V
24	AVref0	AVref0		A/D converter reference voltage input: 5V
25	P10/ANI0	KEY1	1	Unit operation button input1
26	P11/ANI1	KEY2	1	Unit operation button input2
27	P12/ANI2	KEY3	ı	Not used: Connect to GND
28	P13/ANI3	KEY4	1	Not used: Connect to GND
29	P14/ANI4	TLOCK	Ī	CD-DSP TLOCK input H: LOCK
30	P15/ANI5	FLOCK	ı	CD-DSP FLOCK input H: LOCK
31	P16/ANI6	SENCE	1	CD-DSP SENCE input
32	P17/ANI7	STAT	l i	CD Status signal
33	AVss	AVss	_	A/D, D/A converter GND position
34	P130/ANO0	LINE1	0	LINE OUT Control signal output1
35	P131/ANO1	LINE2	0	LINE OUT Control signal output2

Pin. No.	Name	Symbol	1/0	Function
\vdash	AVref1	AVref1	-	D/A converter reference voltage input
36	P70/RxD2/SI2	CDFL DATAI	-	cd-dsp/FL Data input
37	P71/TxD2/S02	CDFL DATAI	<u> </u>	cd-dsp/FL Data unput
38 39	P71/1XD2/SO2 P72/ASCK2/SCK2	CDFL CLK	0	cd-dsp/FL Data CLOCK output
-	P20/RxD1/SI1	DATA RXD	l i	DATA BUS (for VOL, PLL, RDS IC) Data input
40			0	DATA BUS (for VOL, PLL, RDS IC) Data output
41	P21/TxD1/SO1	DATA CLK	0	DATA BUS (for VOL, PLL, RDS IC) Data dulput DATA BUS (for VOL, PLL, RDS IC) Clock output
42	P22/ACSK1/SCK1 P23/PCL	DATA CLK DATA CE	0	DATA BUS (for VOL, PLL, RDS IC) Click duptit DATA BUS (for VOL, PLL, RDS IC) Chip enable output
43	P23/PCL P24/BUZ	/RDSRST	0	RDS IC reset output
\vdash	P25/SI0/SDA0	DB RXD	0	DENON BUS DATA INPUT
45	P25/SI0/SDA0	DB TXD	1	DENON BUS DATA OUTPUT
46	P25/SCK0/SCL0	DB CLK	0	DENON BUS CLOCK OUTPUT
47 48	P80/A0	/SD	1	FM/AM Tuning signal input, Tuned: Low
	P81/A1	/ST INC	- <u>:</u> -	FM stereo demodulation detect input, Stereo: Low
49		/TMUTE	0	Tuner mute output, mute: Low
50	P82/A2	·	0	Subcode SELECT H: CD SUBQ CLOCK
51	P83/A3	SUCS	-	
52	P84/A4	USA	1	Initial setting input
53	P85/A5	EURO	l l	Initial setting input
54	P86/A6	FREQ		Initial setting input
55	P87/A7	RDS	1	Initial setting input Disc3 Green LED output, Light: High
56	P40/AD0 P41/AD1	LED3G	0	Disc3 Red LED output, Light: High
57		LED3R	0	
58	P42/AD2	LED2G LED2R		Disc2 Green LED output, Light: High
59	P43/AD3	LED2R	0	Disc2 Red LED output, Light: High Disc1 Green LED output, Light: High
60	P44/AD4	ļ — — — — — — — — — — — — — — — — — — —	0	
61	P45/AD5	LED1R	0	Disc1 Red LED output, Light: High POWER/STANDBY Green LED output, Light: High
62	P46/AD6 P47/AD7	LED POWER G	0	POWER/STANDBY Red LED output, Light: High
63 64	P50/A8	EX SW	ı	Changer mecha, Carriage Extra position: SW2 (X3)/not used: connect to ext. pilldown (X1)
		HOME SW	<u> </u>	Changer mecha, Carriage Extra position: SW2 (X3)/not used: connect to ext. Pulldown (X1)
65	P51/A9 P52/A10	D2 SW		Changer mecha, Carriage number, SW5 (X3)/CD mecha. Closed SDW (X1)
66	P52/A10	D1 SW		Changer mecha, Carriage number, SW4 (X3)/CD mecha Open SW. (X1)
67	P53/A11	O/C SW	<u> </u>	Changer mecha, Cernage humber, 5444 (X3)/cot mecha Open 544. (X1) Changer mecha, Open/Close detect: SW6 (X3)/not used: connect to ext. pulldown (X1)
68	P55/A12	FWD SW	 	Changer mecha. slider Forward position: SW7 (X3)/not used: connect to ext. Pulldown (X1)
69		RVS SW	 	Changer mecha. Slider Poward position: SW7 (X3)/not used: connect to ext. Pulldown (X1) Changer mecha. Slider Reverse position: SW8 (X3)/not used: connect to ext. Pulldown (X1)
70	P56/A14 P57/A15	NA SAA	0	Not used: NC
71		Vss	-	GND potential
72 73	Vss P60/A16	FL BLK	0	Putting out light of FL display H: lighting
74	P61/A17	N.C	0	Folling out light of FE display 11. lighting
75	P62/A18	N.C	0	
76	P63/A19	N.C		
-	P64/RD	SRST	0	CD-DSP reset output, output, reset: High
77	P65/WR	VRST	0	VCD module output, reset: High
79	P66/WAIT	N.C	0	TOD ITIOGRAD OCEPAN, 1000 K. I HIGH
80	P65/WATT	N.C	0	
81	VDD	VDD	۳	Positive power
82	P100/TI5/TO5	DRAWER-	0	Changer mecha. Drawer motor– (X3)/CD mecha. Open
83	P101/TI6/TO6	DRAWER+	0	Changer mecha. Drawer motor+ (X3)/CD mecha. Close
84	P102/T17/TO7	CARRIGE-	0	Changer mecha. Carriage motor- (X3)/not used: NC (X1)
85	P103/TI8/TO8	CARRIGE+	0	Changer mecha, Carriage motor+ (X3)/not used: NC (X1)
86	P30/TO0	MLD	0	CD-DSP serial communication load output
87	P31/TO1	N.C	0	Not used: NC
88	P32/TO2	DMUTE	0	CD-DSP DMUTE, mute: High
89	P33/TI1	NTSC/PAL	H	NTSC/PAL switching input, NTSC: Low
90	P34/TI2	CDPOWER	0	CD power control signal output H: POWER ON
91	P35/TI00	CHA/SIG	Ī	3CD Changer/Single CD switching input, 3CD: High
92	P36/TI02	5	0	Not used: NC
93	P37	HPSW	1	HEADPHONE Insert switch detective signal input
94	TEST/VPP	TEST	H	not used: Connect to GND
95	P90	CD/VCD	+	CD/VCD switching input, CD: High
96	P91	INSW	H	Pickup inner-most detect input, inner most: Low at on
97	P92	VCL	6	VCD module clock output, CD: ext. Pullup
98	P93	VDI	1	VCD module data input, CD: ext. pullup
99	P94	VDO	6	VCD module data input, CD: ext. pullup
100	P95	VCE	0	VCD module serial communication select output
Livo	1 33	1.05		TOD Model of Shari of Marie and Color of Output

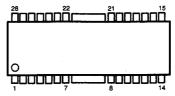
MN35511 (IC101)

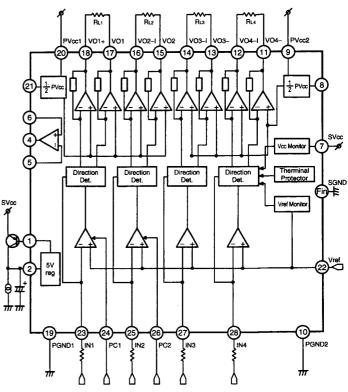


BA15218F (IC105, 106, 304, 305)

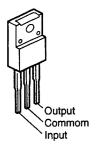


AN8816SB (IC103)

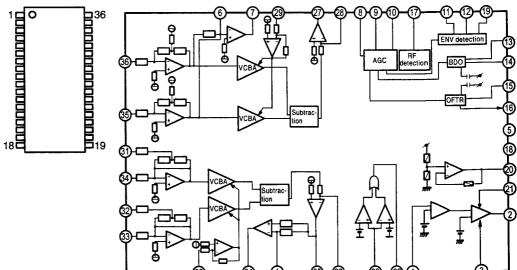




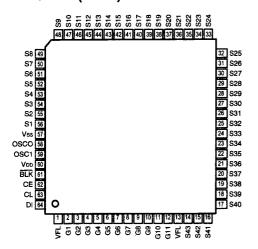




AN8807SB (IC102)



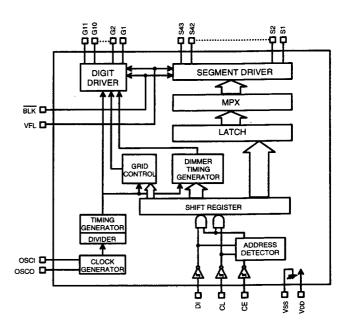
LC75725E (IC401)



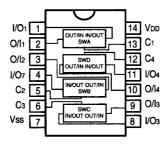
Terminal Function

Pin No.	1/0	Name	Function
1, 13	_	VFL	Power supply pin to driver block
2~12	0	G1~G11	Digit output pin
14~56	0	S1~S43	Segment output pin
57	_	Vss	Power supply pin
58	0	osco	Pin for oscillator
59		OSCI	Pin for oscillator
60	_	VDD	Power supply pin to logic block
61	Ι	BLK	Display off input pin
62	Т	CE	Input for serial data transfer
63	1	CL	CE: Chip enable CL: Sync clock
64	ı	DI	DI: Transfer data

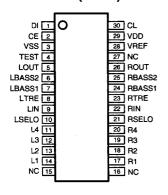
CE: Chip enable

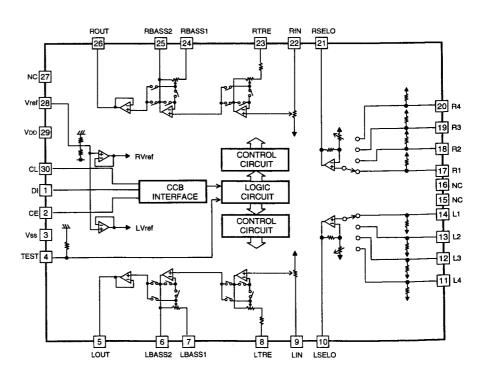


BU4066BCF (IC206)

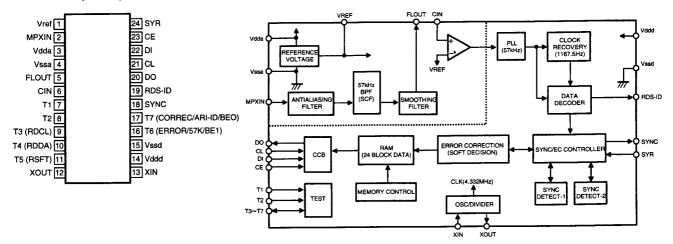


LC75342M (IC302)

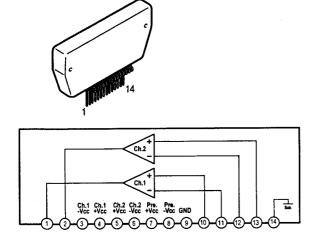




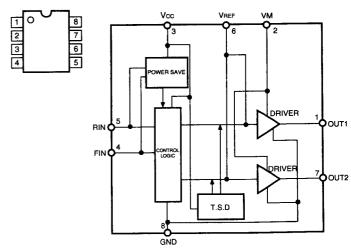
LC72720M (IC303)



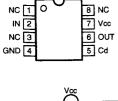
STK405-050A (IC501)

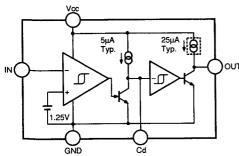


BA6287F (IC204)

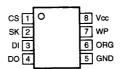


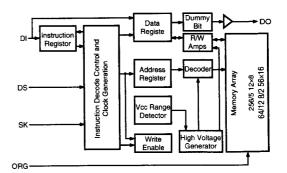
M51957BFP (IC205)





93LC66 (IC202)





■ UD-M30

2614 MG(3 В C 2540 B 500 • D <u>200-2</u> \$M2 E **FOIL SIDE**

17

■ UD-M30 ■

NOTE FOR PARTS LIST

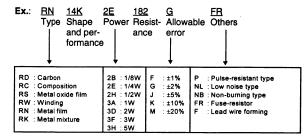
- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

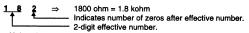
Parts marked with this symbol have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

Resistors



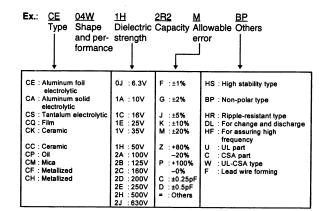
* Resistance



• Units: ohm

18

Capacitors



* Capacity (electrolyte only)

2 2 2 ⇒ 2200μF Indicates number of zeros after effective number. 2-digit effective number.

⇒ 2.2μF ——— 1-digit effective number. 2-digit effective number, decimal point indicated by R.

* Capacity (except electrolyte)

2 2 3 ⇒ 2200pF=0.0022µF

(More than 2)—Indicates number of zeros after effective number.

2-digit effective number.

• Units: μF.

2 1 ⇒ 220pF Indicates number of zeros after effective number. 2-digit effective number.

• When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT ASS'Y MAIN P.W.B. UNIT

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICO	NDUCTORS	<u> </u>		TR502,503	-		Tiomarko
IC101	262 2815 008	IC MN35511	CD DSP	1	2700120001	Translator 2002412REITT	
IC102	ı	IC AN8807SB	CD DRIVER	TR601	271 0238 908	Transistor 2SA1037K(S/R)	
IC103	262 2461 902	IC AN8816SB	CD RF	TR602,603	1	1	
IC105	263 0615 902	IC BA15218F		TR604	269 0160 905	Transistor DTC143ZSAT	
IC106	263 0615 902	IC BA15218F		TR605	272 0025 907	Transistor 2SB562(C)T	
				TR606	269 0160 905		
IC201	262 2814 009	IC UPD784216AGC-109-8EU	MICON	TR607	273 0426 907	Transistor 2SC2412KLNT	
IC202	951 0011 807	IC 93LC66 /A	EEPROM	H			
IC203	263 0553 006	IC NJM7805FA		D301~304	276 0375 002	Diode 1N4148	
IC204	263 0994 908	IC BA6287F	LOADER DRIVER				
IC205	263 0454 901	IC M51957BFP	RESET	D601	276 0375 002	Diode 1N4148	
				D602,603	GP6 0004 002	Diode 1N4004	
IC301	262 1875 900	IC BU4066BCF	ANALOG SW	D604~606	276 0375 002	Diode 1N4148	
IC302	951 0011 904	IC LC75342M	SEL/VOL/TONE	D607~610	GP6 0004 002	Diode 1N4004	·
IC303	262 2547 907	IC LC72720NM	RDS	D611	951 0012 301	Diode D3SBA60	
IC304,305	263 0615 902	IC BA15218F		D612,613	GP6 0004 002	Diode 1N4004	
				D614	276 0375 002	Diode 1N4148	
IC401	951 0012 000	IC LC75725E	FLD DRIVER	D615,616	GP6 0004 002	Diode 1N4004	
IC402	499 0301 006	IC RPM6938-V4	SENSOR				
				LD401	951 0012 204	LED SLR-9336DS-91	POWER LED
IC501	951 0012 107	IC STK405-050	POWER IC				
				ZD201	276 0644 966	Zener diode MTZJ12AT	
IC601	951 0010 002	IC TOTX178A	OPTICAL OUT	ZD202	951 0012 602	Zener diode MTZJ3.6AT	
IC602	263 0553 006	IC NJM7805FA					
IC603,604	263 0516 001	IC NJM7812FA		ZD601,602	951 0022 401	Zener diode MTZJ6.2AT	
IC605	263 0553 006	IC NJM7805FA		ZD603	951 0012 709	Zener diode MTZJ5.6AT	
∆.1C606,8 07	268 0073 905	IC ICP-N15T	IC PROTECTOR	ZD604	951 0012 505	Zener diode MTZJ33CT	
TR102	1	Transistor 2SA933(R/S)T-93		RESISTO	R		L
TR103	269 0082 902			R101	247 0006 988	Carbon chip 560 ohm 1/10W	RM73B561J
TR104,105	269 0106 901	Transistor DTA144TK96		R102		Calcoll disp coo dish 17 Tota	OPEN(CHIP R)
				R103	247 0012 927	Carbon chip 100 kohm 1/10W	RM73B104J
TR201		Transistor 2SB562(C)T		R104		Carbon chip 1 Mohm 1/10W	RM73B105J
TR202~205		Transistor 2SC3326 (A/B)		R105	1	Carbon chip 47 kohm 1/10W	RM73B473J
TR206		Transistor DTC114ES(10K-10k)		R106	1	Carbon chip 120 kohm 1/10W	RM73B124J
TR209		Transistor DTA115TK96		R107		Carbon chip 1.5 kohm 1/10W	RM73B152J
TR210		Transistor DTC114TK96		R108,109	1	Carbon chip 15 kohm 1/10W	RM73B153J
TR211	269 0083 901	Transistor DTA114EKT96		R110	1	Carbon chip 220 kohm 1/10W	RM73B224J
TD004 000				R111,112		Carbon chip 39 kohm 1/10W	RM73B393J
TR301,302		Transistor DTC323TKT96		R113		Carbon chip 10 kohm 1/10W	RM73B103J
TR303,304	269 0054 901	Transistor DTC144EKT96		R114		Carbon chip 390 kohm 1/10W	RM73B394J
TR306,308		Transistor DTC323TKT96		R115		Carbon chip 330 kohm 1/10W	RM73B334J
TR309		Transistor 2SC2412KLNT		R116	ŀ	Carbon chip 150 kohm 1/10W	RM73B154J
TR310	1	Transistor DTA114EKT96		R117	1	Carbon chip 47 kohm 1/10W	RM73B473J
TR311,312		Transistor DTC323TKT96		R118		Carbon chip 68 kohm 1/10W	RM73B683J
TR313		Transistor DTC114EKT96		R119		Carbon chip 2.7 kohm 1/10W	RM73B272J
TR315,316	269 0066 902	Transistor DTC323TKT96		R120	1	Carbon chip 220 kohm 1/10W	RM73B224J
TD 454				R121		Carbon chip 68 kohm 1/10W	RM73B683J
TR401,402	269 0082 902	Transistor DTC114EKT96		R122		Carbon chip 33 kohm 1/10W	RM73B333J
TDEC			l	R123	l	Carbon chip 4.7 kohm 1/10W	RM73B472J
TR501	271 0238 908	Transistor 2SA1037K(S/R)		R124,125	ſ	Carbon chip 1.8 kohm 1/10W	RM73B182J
					-17 0000 302	Carbon only 1.0 Koriin 1/1044	1000 1000

R127	OPE for E RM7 for E PM7 for E OPE fo	73B-472J EN(CHIP R) E2,EK,E3 73B-472J E1 73B-472J E2,EK EN(CHIP R) E3,E1 73B-102J 73B-103J 73B-103J 73B-222J 483A471JNBST(S) 73B-102J 73B-102J 73B-102J 73B-102J
R127	o 4.7 kohm 1/10W RM7 for E PM7 for E	E2,EK,E3 73B472J E1 73B472J E2,EK EN(CHIP R) E3,E1 73B102J 73B103J 73B153J 73B222J 483A471JNBST(S) 73B223J 73B103J 73B103J 73B103J
R128	0 4.7 kohm 1/10W for E 0 4.7 kohm 1/10W RM7 for E 0 4.7 kohm 1/10W RM7 for E 0 1 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 15 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 12.2 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7	73B472J E1 73B472J E2,EK EN(CHIP R) E3,E1 73B102J 73B103J 73B153J 73B222J 483A471JNBST(S) 73B223J 73B102J 73B102J 73B102J 73B102J 73B102J
R129	o 4.7 kohm 1/10W RM7 for E OPE for E	E1 73B-472J E2,EK EN(CHIP R) E3,E1 73B-102J 73B-103J 73B-153J 73B-333J 73B-222J 483A471JNBST(S) 73B-103J 73B-103J 73B-102J 73B-102J
R130 247 0010 961 Carbon chip 22 kohm 1/10W RM73B223J R221 247 0009 901 Carbon chip R131 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R221 247 0009 901 Carbon chip R133 247 0018 905 Carbon chip 150 kohm 1/10W RM73B0R0J R221 R221 Carbon chip R136 247 0010 929 Carbon chip 156 kohm 1/10W RM73B153J R222 247 0009 985 Carbon chip R139 247 0005 905 Carbon chip 100 ohm 1/10W RM73B153J R223 247 0010 903 Carbon chip R140 247 0018 905 Carbon chip 0 ohm 1/10W RM73B101J R224 247 0011 902 Carbon chip R141 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R226-228 247 0009 985 Carbon chip R143 247 0007 945 Carbon chip 1 kohm 1/10W RM73B102J R229 247 0008 928 Carbon chip R144 247 0018 905 Carbon chip 0 ohm 1/10W RM73B102J R230 247 0008 928 Carbon chip R145	0 4.7 kohm 1/10W RM7 for E OPE for E 0.1 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 13 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 0 10 kohm 1/10W RM7	73B472J E2,EK EN(CHIP R) E3,E1 73B102J 73B103J 73B333J 73B103J 73B222J 4B3A471JNBST(S) 73B102J 73B102J 73B102J
R131 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0ROJ R221 247 0009 901 Carbon chip Robin 1/10W R132 204 8416 007 Carbon chip 0 ohm 1/10W RD14B2E180JT R221 247 0009 901 Carbon chip Robin 1/10W R133 247 0018 905 Carbon chip 150 kohm 1/10W RM73B0R0J RB73B154J RB73B154J RB73B153J R222 247 0007 945 Carbon chip RM73B153J R223 247 0009 985 Carbon chip RM73B153J R223 247 0009 985 Carbon chip RM73B153J R224 247 0010 903 Carbon chip RM73B153J R224 247 0010 903 Carbon chip RM73B101J R224 247 0010 903 Carbon chip RM73B101J R225 247 0010 903 Carbon chip RM73B101J R225 247 0011 902 Carbon chip RM73B101J R226-228 247 0011 902 Carbon chip RM73B102J R229 247 0008 985 Carbon chip RM73B102J R229 247 0008 985 Carbon chip RM73B103J R231 24	for E OPE for E OPE for E 1 kohm 1/10W NM7 10 kohm 1/10W NM7 10 5 kohm 1/10W NM7 10 kohm 1/10W	E2,EK EN(CHIP R) E3,E1 73B102J 73B103J 73B153J 73B103J 73B222J 4B3A471JNBST(S) 73B102J 73B102J 73B102J 73B102J 73B472J 14B3A471JNBST(S)
R132 204 8416 007 Carbon film 18ohm 1/4W RD 14B2E180JT RD 14B2E180JT R221 R133 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R221 247 0007 945 Carbon chip 150 kohm 1/10W R136 247 0010 929 Carbon chip 15 kohm 1/10W RM73B153J R222 247 0007 945 Carbon chip 18 kohm 1/10W R139 247 0005 905 Carbon chip 100 ohm 1/10W RM73B153J R223 247 0010 903 Carbon chip 20 ohm 1/10W R140 Den (CHIP R) R225 247 0010 903 Carbon chip 20 ohm 1/10W R141 247 0018 905 Carbon chip 0 ohm 1/10W RM73B10SD R226 -228 247 0019 903 Carbon chip 20 carbon chip 20 ohm 1/10W R143 247 0008 902 Carbon chip 1 kohm 1/10W RM73B10SD R229 247 0008 928 Carbon chip 20 ohm 1/10W R144 247 0018 905 Carbon chip 1 kohm 1/10W RM73B10SD R230 247 0008 928 Carbon chip 20 ohm 1/10W R145 Den (CHIP R) R230 247 0008 928 Carbon chip 20 ohm 1/10W RM73B103J R231 244 2043 953 <	OPE for E Fo	EN(CHIP R) E3,E1 73B102J 73B103J 73B153J 73B103J 73B222J 483A471JNBST(S) 73B223J 73B103J 73B102J 73B102J 73B472J 14B3A471JNBST(S)
R134,135	for E 8.1 kohm 1/10W 9.10 kohm 1/10W 9.15 kohm 1/10W 9.15 kohm 1/10W 9.13 kohm 1/10W 9.10 kohm 1/10W 9.12 kohm 1/10W 9.14 kohm 1/10W	E3,E1 73B102J 73B103J 73B153J 73B222J 73B222J 4B3A471JNBST(S) 73B223J 73B102J 73B102J 73B472J 14B3A471JNBST(S)
R136 247 0010 929 Carbon chip 15 kohm 1/10W RM73B153J R222 247 0007 945 Carbon chip 15 kohm 1/10W R137 247 0010 929 Carbon chip 15 kohm 1/10W RM73B153J R223 247 0009 985 Carbon chip 200 ohm 1/10W R139 247 0005 905 Carbon chip 100 ohm 1/10W RM73B101J R224 247 0010 903 Carbon chip 20 carbon chip 20 carbon chip 200 kohm 1/10W R140 R141 247 0018 905 Carbon chip 0 ohm 1/10W RM73B182J R225 247 0011 902 Carbon chip 20 carbon chip 20 carbon chip 200 kohm 1/10W R142 247 0008 902 Carbon chip 1.8 kohm 1/10W RM73B182J R229 247 0009 985 Carbon chip 200 carbon chip 200 kohm 1/10W R143 247 0018 905 Carbon chip 1 kohm 1/10W RM73B102J R230 247 0008 928 Carbon chip 200 carbon chip 200 kohm 1/10W R145 R145 Carbon chip 10 kohm 1/10W RM73B103J R231 244 2043 953 Metal oxide 247 0010 961 R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip 200 kohm 1/10W R155~157 <td>9 1 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 15 kohm 1/10W RM7 9 33 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 2.2 kohm 1/10W RM7 470 ohm 1W RM7 9 10 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 11 kohm 1/10W RM7 9 1 kohm 1/10W RM7</td> <td>738102J 738103J 738153J 738333J 738222J 738222J 483A471JNBST(S) 738223J 738103J 738102J 738472J 1483A471JNBST(S)</td>	9 1 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 15 kohm 1/10W RM7 9 33 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 2.2 kohm 1/10W RM7 470 ohm 1W RM7 9 10 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 11 kohm 1/10W RM7 9 1 kohm 1/10W RM7	738102J 738103J 738153J 738333J 738222J 738222J 483A471JNBST(S) 738223J 738103J 738102J 738472J 1483A471JNBST(S)
R137	0 10 kohm 1/10W RM7 0 15 kohm 1/10W RM7 0 33 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 470 ohm 1W RS14 0 10 kohm 1/10W RM7 0 11 kohm 1/10W RM7 0 11 kohm 1/10W RM7 0 14.7 kohm 1/10W RM7 470 ohm 1W RM7	73B103J 73B153J 73B333J 73B222J 73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R139 247 0005 905 Carbon chip 100 ohm 1/10W RM73B101J OPEN(CHIP R) R225 247 0010 903 Carbon chip R141 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R226 247 0001 902 Carbon chip R142 247 0008 902 Carbon chip 1.8 kohm 1/10W RM73B182J R229 247 0008 928 Carbon chip R144 247 0018 905 Carbon chip 1 kohm 1/10W RM73B102J R230 247 0008 928 Carbon chip R144 247 0018 905 Carbon chip 0 ohm 1/10W RM73B102J R230 247 0008 928 Carbon chip R145 OPEN(CHIP R) R231 244 2043 953 Metal oxide R145 R147 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R234,235 247 0010 961 Carbon chip R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip R149152 247 0008 960 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip RM73B-	2 15 kohm 1/10W RM7 2 33 kohm 1/10W RM7 2 10 kohm 1/10W RM7 2 2.2 kohm 1/10W RM7 470 ohm 1W RS14 2 22 kohm 1/10W RM7 2 10 kohm 1/10W RM7 2 1 kohm 1/10W RM7 2 4.7 kohm 1/10W RM7 4 470 ohm 1W RM7	73B153J 73B333J 73B202J 73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R140 R141	9 33 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 2.2 kohm 1/10W RM7 9 2.2 kohm 1/10W RM7 470 ohm 1W RS14 9 22 kohm 1/10W RM7 9 10 kohm 1/10W RM7 9 1 kohm 1/10W RM7 9 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B333J 73B103J 73B222J 73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R141 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R226228 247 0009 985 Carbon chip 1.8 kohm 1/10W RM73B182J R229 247 0008 928 Carbon chip 1.8 kohm 1/10W RM73B102J R230 247 0008 928 Carbon chip 1.8 kohm 1/10W RM73B0R0J R230 247 0008 928 Carbon chip 1.8 kohm 1/10W RM73B0R0J R230 247 0008 928 Carbon chip 1.8 kohm 1/10W RM73B0R0J R231 244 2043 953 Metal oxide R145 R147 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R232 247 0010 961 Carbon chip R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip R149152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip R150 Carbon chip R168 247 0007 945 Carbon chip R173B221J R239 247 0007 945 Carbon chip R173B221	0 10 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 0 2.2 kohm 1/10W RM7 470 ohm 1W RS14 0 2.2 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B103J 73B222J 73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R142 247 0008 902 Carbon chip 1.8 kohm 1/10W RM73B182J R229 247 0008 928 Carbon chip 1.8 kohm 1/10W R143 247 0007 945 Carbon chip 1 kohm 1/10W RM73B102J R230 247 0008 928 Carbon chip 200 kohm 1/10W R144 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0ROJ R231 244 2043 953 Metal oxide R145 OPEN(CHIP R) R232 247 0010 961 Carbon chip R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip R149~152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R155~157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip	2.2 kohm 1/10W RM7 470 ohm 1W RS14 2.2 kohm 1/10W RM7 470 ohm 1W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B222J 73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R143 247 0007 945 Carbon chip 1 kohm 1/10W RM73B102J R230 247 0008 928 Carbon chip 1 kohm 1/10W RM73B102J R231 244 2043 953 Metal oxide R145 PR147 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R234,235 247 0010 961 Carbon chip R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip R149~152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R155~157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip	2.2 kohm 1/10W RM7 470 ohm 1W RS14 22 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B222J 4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R144 247 0018 905 Carbon chip 0 ohm 1/10W RM73B0R0J R231 244 2043 953 Metal oxide OPEN(CHIP R) R147 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R234,235 247 0010 961 Carbon chip R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip R149152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R155157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip Carbon chip RM73B221J R239 247 0007 945 Carbon chip	470 ohm 1W RS14 0 22 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	4B3A471JNBST(S) 73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R145 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R232 247 0010 961 Carbon chip Carbon chip Carbon chip 10 kohm 1/10W RM73B103J R234,235 247 0010 916 Carbon chip Carbon chip Carbon chip Carbon chip 200 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip Carbon chip 200 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide Carbon chip 200 carbon chip 200 kohm 1/10W RM73B221J R239 247 0007 945 Carbon chip Carbon chip 200 kohm 1/10W	22 kohm 1/10W RM7 0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B223J 73B103J 73B102J 73B472J 14B3A471JNBST(S)
R147 247 0009 985 Carbon chip 10 kohm 1/10W RM73B103J R234,235 247 0010 916 Carbon chip 10 kohm 1/10W R148 247 0009 985 Carbon chip 15 kohm 1/10W RM73B103J R236 247 0007 945 Carbon chip 200 kohm 1/10W R149~152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip 200 kohm 1/10W R155~157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip	0 10 kohm 1/10W RM7 0 1 kohm 1/10W RM7 0 4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B103J 73B102J 73B472J 14B3A471JNBST(S)
R148	0 1 kohm 1/10W 0 4.7 kohm 1/10W 470 ohm 1W	73B102J 73B472J 14B3A471JNBST(S)
R149~152 247 0012 998 Carbon chip 200 kohm 1/10W RM73B204J R237 247 0009 901 Carbon chip R155~157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip	4.7 kohm 1/10W RM7 470 ohm 1W RS14	73B472J 14B3A471JNBST(S)
R155~157 247 0008 960 Carbon chip 3.3 kohm 1/10W RM73B332J R238 244 2043 953 Metal oxide R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip	470 ohm 1W RS14	14B3A471JNBST(S)
R158 247 0005 989 Carbon chip 220 ohm 1/10W RM73B221J R239 247 0007 945 Carbon chip		` '
	1 kohm 1/10W RM7	73B102J
R159 160 247 0007 961 Carbon chip 1.2 kohm 1/10W RM73R122. R240 247 0011 944 Carbon chip		
11100,100 247 0007 001 Odibon only 1.2 Rollin 171077 1417 00 1220 1270 001 011 Odibon only		73B473J
11101,102 211 001 000 00000 00000 00000 00000	1	73B0R0J
11100,101		173B0R0J
11100,100 211 0000 001 Galloon only 020 01111 11100		173B472J
THO 21 GOIGGO GARDEN SIMP SIMILATED		14B2E331JT
1 11100	1	173B202J
miss		14B3A331JNBST(S)
		173B473J
	2.2 kohm 1/10W RM	173B222J
R193 247 0008 915 Carbon chip 2 kohm 1/10W RM73B202J	47014 DM	470D 4741
		173B474J
11100		173B471J
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	173B474J
	'	173B471J 173B474J
	F	//3B474J //73B474J
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11214 241 0000 001 Outson Strip 111 Notice 1111100	· · · · · · · · · · · · · · · · · · ·	и73B47 13 И73B104J
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12.1	r =	M73B202U M73B103J
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	·	M73B752J
1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	· 1	M73B472J
		M73B104J
	r · · ·	M73B473J
247 0009 901 for E3,E1 R341,342 247 0011 944 Carbon chi	, , , , , , , , , , , , , , , , , , ,	===

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R343,344	247 0008 915	Carbon chip 2 kohm 1/10W	RM73B202J	R608	247 0008 928	Carbon chip 2.2 kohm 1/10W	RM73B222J
R345,346	247 0000 913	Carbon chip 470 ohm 1/10W	RM73B471J	R609	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J
R347,348	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	R610	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B102J
R349,350	247 0012 927	Carbon chip 100 kohm 1/10W	RM73B104J	R611	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J
R351,352	247 0008 931	Carbon chip 2.4 kohm 1/10W	RM73B242J	R612	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J
R353	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	R613	247 0005 959	Carbon chip 220 ohm 1/10W	RM73B221J
R354	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	R614~616	247 0005 905	Carbon chip 100 ohm 1/10W	RM73B101J
R355,356	247 0012 927	Carbon chip 100 kohm 1/10W	RM73B104J	R617	247 0008 960	Carbon chip 3.3 kohm 1/10W	RM73B332J
R357	247 0002 969	Carbon chip 8.2 kohm 1/10W	RM73B822J	R618	244 2051 987	Metal oxide 10 ohm 1W	RS14B3A100JNBST(S)
R358	247 0009 969	Carbon chip 8.2 kohm 1/10W	RM73B822J	R619,620	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J
R359,360	247 0007 987	Carbon chip 1.5 kohm 1/10W	RM73B152J	R621	247 0008 915	Carbon chip 2 kohm 1/10W	RM73B202J
R361,362	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J	R622	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J
R363	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	∆ R623		Composition 2.7 Mohm 1/2W	RC05GF2H275K
R364	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J				for E3
R365	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	R623			OPEN(R)
R368	247 0008 915	Carbon chip 2 kohm 1/10W	RM73B202J				for E2,EK
R369	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	R624	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J
R371	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J	∆ R625	244 2051 945	Metal oxide 1 ohm 1W	RS14B3A010JNBST(S)
R372	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J				
R374	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J	R990~992	247 0018 905	Carbon chip 0 ohm 1/10W	RM73B0R0J
11074	247 0000 000					·	
R401	247 0006 946	Carbon chip 390 ohm 1/10W	RM73B391J		<u> </u>		·
R402	247 0007 903	Carbon chip 680 ohm 1/10W	RM73B681J	CAPACIT			1
R403	247 0006 904	Carbon chip 270 ohm 1/10W	RM73B271J	C102	256 1058 971	Metalized 0.1µF/50V	CF93A1H104JT(JL)
R404	247 0006 946	Carbon chip 390 ohm 1/10W	RM73B391J	C105			OPEN(CHIP C)
R405	247 0005 963	Carbon chip 180 ohm 1/10W	RM73B181J	C107	256 1059 938	Metalized 0.33µF/50V	CF93A1H334JT(JL)
R406	247 0006 904	Carbon chip 270 ohm 1/10W	RM73B271J	C108	254 4524 927	Electrolytic 0.33μF/50V	CE04W1HR33MT
R407	247 0005 947	Carbon chip 150 ohm 1/10W	RM73B151J	C109,110	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223ZT
R408	247 0005 963	Carbon chip 180 ohm 1/10W	RM73B181J	C111	257 0006 901	Ceramic chip 390pF/50V	CC73C1H391JT
R409	247 0005 959	Carbon chip 220 ohm 1/10W	RM73B221J	C112	254 4524 943	Electrolytic 1µF/50V	CE04W1H010MT
R410	247 0006 917	Carbon chip 330 ohm 1/10W	RM73B331J	C113	254 4524 901	Electrolytic 0.1μF/50V	CE04W1H0R1MT
R411	247 0005 947	Carbon chip 150 ohm 1/10W	RM73B151J	C114	257 0004 961	Ceramic chip 100pF/50V	CC73C1H101JT CK73B1H273KT
R413	247 0004 922	Carbon chip 47 ohm 1/10W	RM73B470J	C115	257 0010 955	Ceramic chip 0.027µF/50V	CK73B1H273K1
R414	247 0009 927	Carbon chip 5.6 kohm 1/10W	RM73B562J	C116,117	257 0008 983	Ceramic chip 1000pF/50V	
R415	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B472J	C118	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104ZT CE04W1A331MT
				C119	254 4536 931	Electrolytic 330µF/10V	CK73F1H473ZT
R501,502	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B102J	C120	257 0013 907	Ceramic chip 0.047µF/50V	CC73C1H100DT
R503,504	247 0011 960	Carbon chip 56 kohm 1/10W	RM73B563J	C121	257 0002 921	Ceramic chip 10pF/50V	CC73C1H101JT
R505,506	247 0008 944	Carbon chip 2.7 kohm 1/10W	RM73B272J	C122	257 0004 961	Ceramic chip 100pF/50V	CK73F1E104ZT
R507,508	244 2043 937	Metal oxide 4.7 ohm 1W	RS14B3A4R7JNBST(S)	C123	257 0014 935	Ceramic chip 0.1µF/25V Ceramic chip 0.033µF/25V	CK73F1E333KT
∆ R509,510		Fusible 100 ohm 1/4W	RD14B2E101GFRST	C124	257 0014 906	The state of the s	CK73B1H472JT
R511,512	247 0011 960	Carbon chip 56 kohm 1/10W	RM73B563J	C125	257 0009 966	Ceramic chip 4700pF/50V Metalized 0.1µF/50V	CF93A1H104JT(JL)
R513,514	244 2051 987	Metal oxide 10 ohm 1W	RS14B3A100JNBST(S)	C126,127	256 1058 971	Ceramic chip 680pF/50V	CC73C1H681JT
R515~517	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J	C128,129	257 0006 969 256 1058 971	Metalized 0.1µF/50V	CF93A1H104JT(JL)
R599		Carbon film 3 kohm 1/4W	RD14B2E302JT	C130		Electrolytic 100μF/10V	CE04W1A101MT
				C131	254 4536 928	Electrolytic 220µF/10V	CE04W1A221MT
R601	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J	C132	254 4536 901	Electrolytic 0.1µF/50V	CE04W1H0R1MT
R602	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J	C133	254 4524 901	Electrolytic 100µF/10V	CE04W1A101MT
R603	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J	C134	254 4536 928	Ceramic chip 0.01µF/50V	CK73B1H103KT
R604	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J	C135	257 0010 900	Electrolytic 100µF/16V	CE04W1C101MT
R605	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J	C136	254 4538 942	Ceramic chip 0.047µF/50V	CK73F1H473ZT
R606,607	247 0010 961	Carbon chip 22 kohm 1/10W	RM73B223J	C137	257 0013 907 255 1265 994	Poly film 0.033µF/50V	CQ93M1H333JT(B)
			<u></u>	C138	200 1200 994	ι σιγ ιιιπι σ.σσομι /σσν	C GOOM I TOOO I (D)

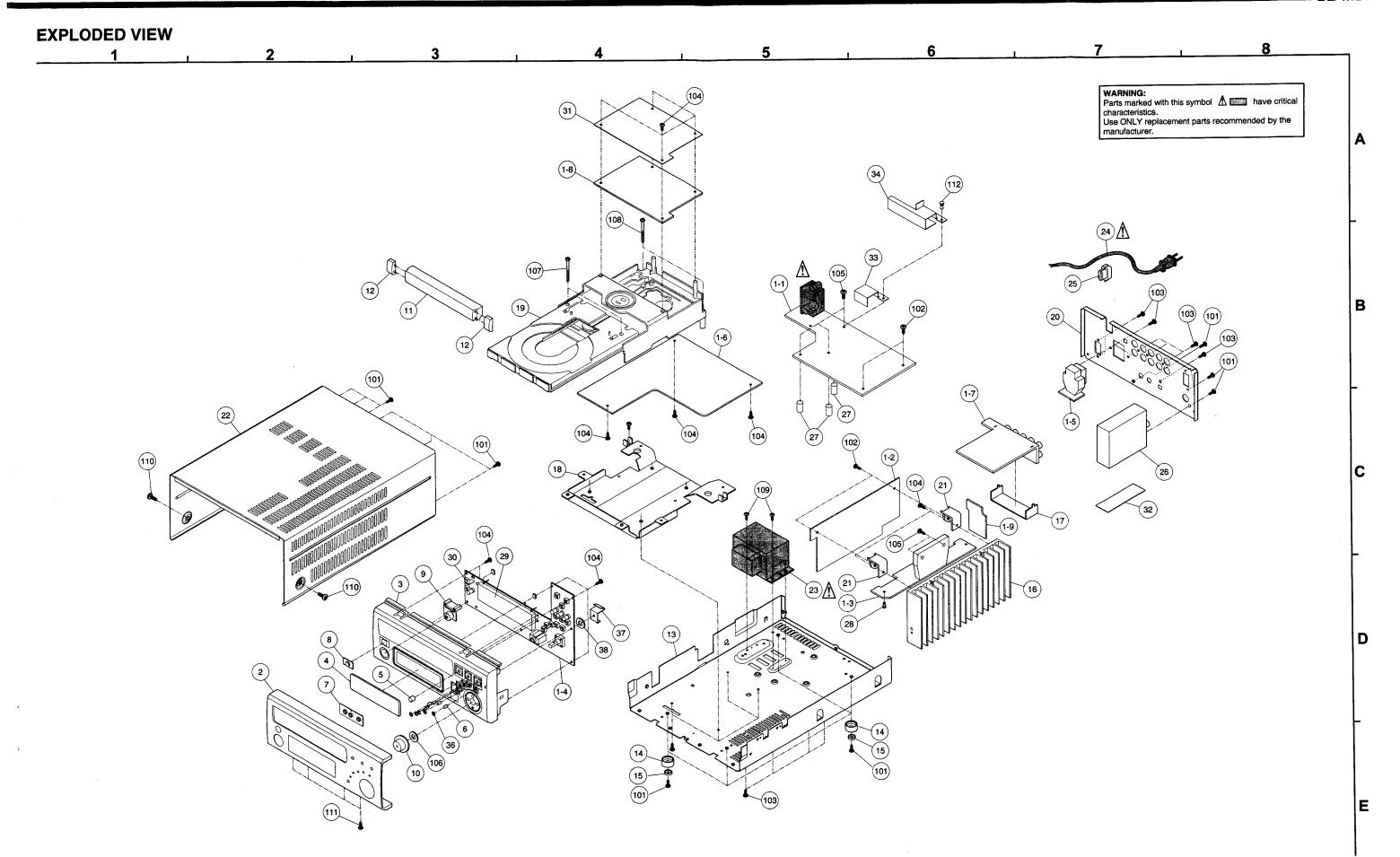
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C139	256 1059 912	Metalized 0.22μF/50V	CF93A1H224JT(JL)	C324	254 4524 901	Electrolytic 0.1μF/50V	CE04W1H0R1MT
C140	257 0009 924	Ceramic chip 2200pF/50V	CK73B1H222JT	C325~330	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT
C141	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102JT	C331~334	256 1058 971	Meralized 0.1µF/50V	CF93A1H104JT(JL)
C142	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104ZT	C337,338	257 0009 937	Ceramic chip 2700pF/50V	CK73B1H272JT
C143	257 0006 943	Ceramic chip 560pF/50V	CC73C1H561JT	C339	254 4538 913	Electrolytic 22µF/16V	CE04W1C220MT
C144	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103KT	C340	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT
C145		Electrolytic 330µF/16V	CE04W1C331MT	C341~343	254 4538 900	Electrolytic 10µF/16V	CE04W1C100MT
C146	257 0004 987	Ceramic chip 120pF/50V	CC73C1H121JT	C344	254 4536 915	Electrolytic 47μF/10V	CE04W1A470MT
C147,148	257 0009 940	Ceramic chip 3300pF/50V	CK73B1H332JT	C345,346	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT
C149	254 4524 956	Electrolytic 2.2µF/50V	CE04W1H2R2MT	C347	254 4538 900	Electrolytic 10µF/16V	CE04W1C100MT
C150	254 4536 902	Electrolytic 22µF/10V	CE04W1A220MT	C348	254 4524 972	Electrolytic 4.7μF/50V	CE04W1H4R7MT
C151,152	257 0004 961	Ceramic chip 100pF/50V	CC73C1H101JT	C349,350	257 0016 917	Ceramic chip 22pF/50V	CC73C1H220JT
C153,154	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223ZT	C351	257 0005 986	Ceramic chip 330pF/50V	CC73C1H331JT
C155	254 4536 902	Electrolytic 22µF/10V	CE04W1A220MT	C352	257 0006 943	Ceramic chip 560pF/50V	CC73C1H561JT
C156	257 0013 907	Ceramic chip 0.047µF/50V	CK73F1H473ZT	C353~356	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT
C157	257 0006 943	Ceramic chip 560pF/50V	CC73C1H561JT	C357~359	254 4538 939	Electrolytic 47µF/16V	CE04W1C470MT
C159			OPEN(CHIP C)	C360	254 4524 901	Electrolytic 0.1µF/50V	CE04W1H0R1MT
C162,163	257 0503 996	Ceramic chip 20pF/50V	CC73C1H200JT	C361,362	254 4538 939	Electrolytic 47µF/16V	CE04W1C470MT
C172	207 0000 000	Coldina on p 20p1 700 v	OPEN(CHIP C)	C363,364	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT
C173	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT	C365	254 4538 939	Electrolytic 47µF/16V	CE04W1C470MT
C175	204 4024 072	Licotrory do 4.7 pt 7004	OPEN(CHIP C)	C366	254 4538 900	Electrolytic 10µF/16V	CE04W1C100MT
C176	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104ZT	C367	254 4524 901	Electrolytic 0.1µF/50V	CE04W1H0R1MT
C176 C177,178	257 0014 935	Ceramic crip o. rpr /25v	OPEN(CHIP C)	C368	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT
C177,178	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104ZT	0300	237 0012 300	Cordinio orap c.orpi /oo i	
C182	257 0014 935	Ceramic 0.01µF/50V	CK45F1H103ZT	C401~403			OPEN(CHIP C)
C199	254 4538 942	Electrolytic 100fÊF/16V	CE04W1C101MT	C404	254 4536 915	Electrolytic 47µF/10V	CE04W1A470MT
0199	254 4556 542	Electrolytic 100/EF/10V	CE04VV 1C (O IIVI	C405	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT
C201	254 4538 900	Electrolytic 10µF/25V	CE04W1E100MT	C406	254 4536 915	Electrolytic 47µF/10V	CE04W1A470MT
C202,203	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT	C407	257 0003 904	Ceramic chip 22pF/50V	CC73C1H220JT
C202,203	254 4538 900	Electrolytic 10µF/25V	CE04W1E100MT	C409,410	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102JT
C204	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103KT	0403,410	237 0000 300	Columno omp 1000pi 700 v	
C205	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT	C501,502	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT
C207	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103ZT	C503,504	254 4524 998	Electrolytic 22µF/50V	CE04W1H220MT
C207	257 0010 900	Ceramic chip 0.1µF/25V	CK73F1E104ZT	C505,506	257 0006 927	Ceramic chip 470pF/50V	CC73C1H471JT
C208	257 0014 935	Electrolytic 2.2µF/50V	CE04W1H2R2MT	C507,508	257 0000 927	Ceramic omp 47 opi 700 v	OPEN(CHIP C)
	l	Electrolytic 47µF/16V	CE04W1C470MT	C509,510	254 4525 026	Electrolytic 100µF/50V	CE04W1H101MT
C210 C211	254 4538 939 257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104ZT	C511,512	256 1058 971	Metalized 0.1µF/50V	CF93A1H104JT(JL)
C211	257 0014 933	Ceramic chip 0.01µF/50V	CK73B1H103KT	C513,514	254 4524 985	Electrolytic 10µF/50V	CE04W1H100MT
C212 C213~215	257 0010 900	Ceramic crip 0.0 (µr/30)	OPEN(CHIP C)	C515,514	257 0002 921	Ceramic chip 10pF/50V	CC73C1H100DT
	257 0014 025	Coromic chip 0.1. E/2EV	CK73F1E104ZT	C517	254 4536 931	Electrolytic 330µF/10V	CE04W1A331MT
C216	257 0014 935	Ceramic chip 0.1µF/25V	CK/3F1E104Z1	C517	254 3056 917	Electrolytic 1µF/50V(BP)	CE04D1H010MBPT
0004 000	057 0000 007	Consenie ship 470nF/F0V	CC70C41474 IT	C599	254 3050 917	Electrolytic 1µ1/30V(D1/)	OLO4D II TOTOMBI T
C301,302	257 0006 927	Ceramic chip 470pF/50V	CC73C1H471JT	Cent	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102JT
C303,304	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT	C601		Electrolytic 47μF/10V	CE04W1A470MT
C305,306	257 0006 927	Ceramic chip 470pF/50V	CC73C1H471JT	C602 C603	254 4536 915 257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT
C307,308	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT			' '	CK73B1H102JT
C309,310	257 0006 927	Ceramic chip 470pF/50V	CC73C1H471JT	C604	257 0008 983	Ceramic chip 1000pF/50V	CK73F1H103ZT
C311,312	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT	C605	257 0012 966	Ceramic chip 0.01µF/50V	CE04W1C100MT
C313,314	257 0006 927	Ceramic chip 470pF/50V	CC73C1H471JT	C606	254 4538 900	Electrolytic 10µF/16V	CK73F1H103ZT
C315,316	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7MT	C607	257 0012 966	Ceramic chip 0.01µF/50V	CE04W1H010MT
C317,318	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102JT	C608	254 4524 943	Electrolytic 1µF/50V	1
C319,320	254 4524 972	Electrolytic 4.7μF/50V	CE04W1H4R7MT	C609	254 4538 900	Electrolytic 10µF/16V	CE04W1C100MT
C321~323	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT	C610	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103ZT

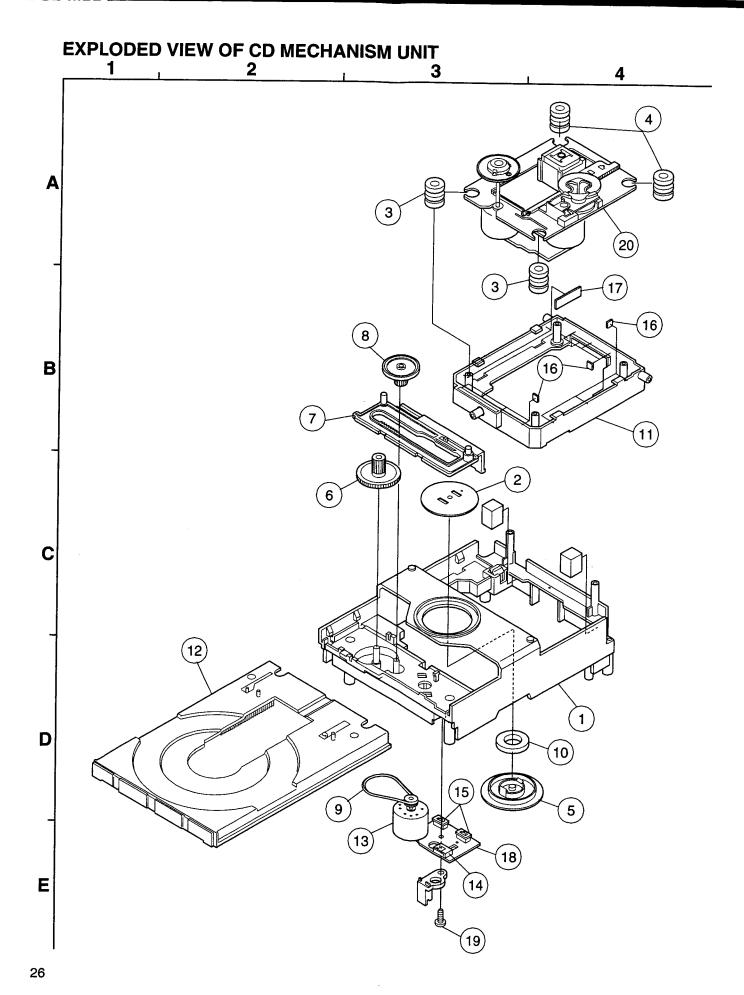
Ref. No.	Part No.	Part Name	Remark	s	Ref. No.	Part No.	Part Name	Remarks	Q'ty
C611	254 4524 943	Electrolytic 1µF/50V	CE04W1H010N	ΛT	CY152	951 0014 901	15P FFC base	IMSA-9604S-15A	1
C612		Electrolytic 4700µF/35V	CE04W1V472N	/C	CY191	951 0015 007	19P FFC base	IMSA-9604S-19F	1
C613	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	т	CY211	951 0014 804	21P FFC base(1mm)	IMSA-9610S-21E	1
C614		Ceramic chip 4700pF/250V	CK45F2EAC47	2M	CY241	951 0013 504	24P FFC base	IMSA-9604S-24F	1
C615	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	т	CY261	951 0014 503	26P connector base	IMSA-9142B-26/	1
C616	254 4541 939	Electrolytic 47µF/25V	CE04W1E470N	ΛT	CY262	951 0014 406	26P connector base	IMSA-9890S-26/	1
C617,618		Electrolytic 4700µF/35V	CE04W1V472N	AC					***************************************
C619,620	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	т	∆F601	206 1074 073	Fuse T500mA/250V	for E1,E2,EK	1
C621	254 4538 900	Electrolytic 10µF/16V	CE04W1C100N	лт 📗	Δ F601	206 1072 033	Fuse 2A/125V	for E3	1
C622	257 0012 966	Ceramic chip 0.01 µF/50V	CK73F1H103Z	т	∆ F602	206 1072 043	Fuse T2.5A/250V	for E1,E2,EK	1
C623	254 4524 943	Electrolytic 1µF/50V	CE04W1H010N	1	∆F602	206 1072 088		for E3	-1
C624,625		Ceramic chip 0.01µF/50V	CK73F1H103Z						
C626	254 4524 985	Electrolytic 10µF/50V	CE04W1H100N		FL401	393 8049 004	FL tube		1
C627	-	Electrolytic 100µF/50V	CE04W1H101N						
C628	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z		JK301	951 0010 604	4P RCA jack board		1
C629	257 0013 907	Ceramic chip 0.047µF/50V	CK73F1H473Z	- 1	JK302		6P RCA jack board		1
C630	254 4538 900	Electrolytic 10µF/16V	CE04W1C100N	ı	JK401		Mini jack		1
C631	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	ı	JK408	951 0009 903			1
C632		Electrolytic 1µF/50V	CE04W1H010N		JK601	951 0010 808			1
C633	254 4403 721	Electrolytic 2200µF/25V	CE04W1E222N	ı	JK602	951 0010 808	1		1
C634,635	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z		∆JK605	203 3961 004	AND	for E1,E2,EK	1
C636~640	237 0012 900	Ceramic Chip 0.01µF/30V	OPEN(CHIP C)	1	ΔJK605	951 0031 104		for E3	1
C030~04U			OFEN(OHIF C)		M OROGO	301 0001 104	AO DUIGILOJ	ioi Lu	
C701,702	257 0012 066	Ceramic chip 0.01µF/50V	CK73F1H103Z	.	Δ1C902	206 1091 009	Fuse(SSFR1.0A F006)	MICRO FUSE 1A/125	1
		l '	CQ93M1H103J		ZA IOSUZ	200 1001 000	i decon iniuni don	MIONO 1000 111180	
C703,704	255 1265 936	Poly film 0.01μF/50V	CCGSOMILLIOSS	'(D)	L101	214 0206 005	Inductor 10µH		1
C004 000		Coromia 1000nE/E0V	CK45B1H102K	.	L501,502	235 0104 007	Inductor 1µH		2
C901,902		Ceramic 1000pF/50V	CK45B1H102K	'	L501,502	235 0 104 007	illiductor (µ1)		-
					RL601	214 0206 005	Relay PCI-212DM		1
OTHERS				Q'ty	RL602		Power relay DG1U TV-8		1
CX031	205 0653 036	3P VH connector base		1	TIEOOZ	214 0202 000	l one rolly bare in c		
CX032	205 0581 001	2P VH connector base		1	S402	951 0010 905	Tact switch		1
CX033	205 0581 001	2P VH connector base		1	S403	951 0010 905			1
CX034	205 0355 033	3P PH connector base(S)		1	S405	951 0010 905			1
CX051	205 0355 059	5P PH connector base(S)		1	S405	951 0010 905		·	
CX052	951 0013 601	5P NH connector base		1					;
CX061	205 0355 062	6P PH connector base(S)		1	S407	ŧ .	Tact switch		;
CX071	205 0355 075	7P PH connector base(S)		1	S409	951 0010 905	ł		1
CX111	951 0014 202	11P connector base	IMSA-6053B11AT	1	S410	951 0010 905			
CX141	951 0013 902	14P connector base	IMSA-9110S-14	1	S411	951 0010 905			
CX151	1	15P PHconnector base(S)		1	S412	951 0010 905	1	VOLUME	
CX161		16P FFC base(1mm)	IMSA-9610S-16A	1	S413	951 0011 302	Rotaly encorder	VOLUME	1
CX191		19P FFC base	IMSA-9604S-19F					DDE OUT OW	
CX211	1	21P FFC base(1mm)	IMSA-9610S-218		SW301	951 0011 108	Slide switch	PRE OUT SW	1
CX241		24P FFC base	IMSA-9604S-24F	1 1					
CX261	,	26P connector base	IMSA-9142S-26/	1	∆ T601	951 0011 001		for E1,E2,EK	1
CX262		26P connector base	IMSA-9890B-26/	1 1	∆ T601	233 6355 003	Power trans(sub) E3	for E3	1
UNEVE	30.0014003					1			1.
CY035	205 0343 033	3P PH connector base		1	X101		Crystal 16.9344MHz		1
		}		1.1	X201	i	Ceramic 12.5 MHz		1
CY042		4P PH connector base	IMOA 04470044A]]	X301	951 0011 603	Crystal 4.332MHz		1
CY111		11P connector base	IMSA-91173S11A	I I					
CY141	951 0014 008	i .	IMSA-9110B-14	1 . 1	*	951 0031 447	Micro fuse label 1A/125V (IC902)		
CY151	205 0375 055	15P PH connector base		1					

Ref. No.	Part No.	Part Name	Remarks	Q'ty
*	951 9002 079	Fuse label T500mA/250V (F601)	 	1
Î Â	951 0031 450	Fuse label 2A/125V (F601)	for E3	1
÷	951 9002 066	Fuse label T2.5A/250V (F602)		
l ̂	951 0031 421	Fuse label 5A/125V (F602)	for E3	
 ^	331 3331 421	1 430 14001 374 1234 (1 602)	10, 20	•
★	417 0253 055	Radiator	for IC604	1
*	417 0253 013	Radiator	for IC603	1
*	951 9001 177	Screw 3X6 CBRTS		5
*	951 0015 201	2P SAN-SAN connector cord	CW021	1
*	951 0015 706	4P PH-SAN connector cord	CX042	0
*	951 0052 609	3P PH-SAN connector cord	CX035	1
★	951 0015 502	5P PH-PH connector cord	CX051	1
*	951 0015 405	6P PH-PH connector cord	CX061	1
*	951 0015 308	15P PH-PH connector cord	CX151	1
*	951 0015 803	15P FFC cable	CY152	1
*	951 0016 103	16P FFC cable	CX161	1
★	951 0015 900	19P FFC cable	CX191	1
*	951 0016 200	21P FFC cable	CX211	1
*	951 0016 006	24P FFC cable	CX241	1
*	202 0040 909	Fuse holder	F601,602	4
l <u>.</u>	449 0172 007	Senser holder		1
 *	449 0172 007	Senser noider		'
★	461 1067 001	FL spacer		2
<u> </u>	101 100, 001	1 2 0 4 4 5 5 6		~
*	_	1P wire Ass'y	W705	1
*	_	1P wire Ass'y	W716	1
*	_	1P wire	W711A-W711B	1
*	_	1P wire	W712A-W712B	1
*	_	1P wire	W713A-W713B	1
*	_	1P wire	W714A-W714B	1
*		1P wire	W901	1
*		1P wire	W717 for E2,EK	1
				İ
		J	<u> </u>	1

PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q't
1	951 0009 411	MAIN P.W.B. unit Ass'y	For E2,EK	1s	36	951 9002 053	Spring plate		5
L1	951 0009 424	MAIN P.W.B. unit Ass'y	For E3	1s	37	951 0033 102	Earth plate		1
1	951 0009 437	MAIN P.W.B. unit Ass'y	For E1	1s	38	951 9002 037	Insulator washer		1
		POWER P.W.B. unit			*	951 0016 200	FFC cable		1
1-2		AMP-1 P.W.B. unit							
1-3		AMP-2 P.W.B. unit							
1-4		DISPLAY P.W.B. unit			·				
1-5		SPEAKER P.W.B. unit							
1-6		CD P.W.B. unit			SCREWS				
1-7	·	I/O P.W.B. unit			101	473 7015 005	Screw 3×6 CBTS(S)-B		17
1-8		μ-CON P.W.B. unit			102	951 9001 070	Screw 3×6 CBTS(S)-Z		4
1 1		JUNCTION P.W.B. unit			103	951 9001 180	Screw 3×8 CBTS(P)-B		12
L1-9	444 0747 000		5 F0 FK	١. ١	104	951 9001 151	Screw 3×8 CBTS(P)-Z		18
2	144 2717 002		For E2,EK		105	951 9001 193	Screw 3×14 CBTS(P)-Z		5
2	144 2717 015	•	For E3	1	106	951 9001 164			1
- 1	144 2717 015	-	For E1	1	107		Screw 3×25 CBTS(S)-Z		2
	146 2196 001			1	108	951 9002 011			2
	143 1087 002			1	109	1	Screw 4×6 CBTS(S)-Ni		4
5	146 2202 005	Knob cap (A)		3		1	3P Swelling screw		2
6	146 2203 004	Knob cap (B)		5	110	l .	_		4
7	114 0152 008	Kbob ring (3P)		1	111	1	Screw 3×6 CBTS(S)-B		1
8	143 1086 003	Remocon filter		1	112	477 0096 007	Push rivet		'
9	113 1888 006	Power knob Ass'y		1					
		Volume knob Ass'y		1					
	146 2199 008			1	1				
1		Side esucutcheon		2					
1	411 1940 301			1					
1	104 0317 008			4				-	1
15	461 1066 002			4	ŀ				ļ
	417 0596 000			1					1
				2					
	951 0016 501	·		1					1
	412 4621 002			1					
19		CD mecha unit	F FO FK		•				
20	105 1345 001		For E2,EK	1					1
20	105 1345 014	,	For E1	1					ļ
20	105 1345 030	,	For E3	1					
21	412 4622 001	PCB support (A)		1					
22	102 0633 003	and the second s		1					
	233 6335 007		For E2,EK,E1	1					
	233 6334 008		For E3	1					
24	951 0009 709	AC cord	For E2,EK,E1	11					
24	951 0028 201	AC cord	For E3	1					
24	951 0033 607	AC cord	For EK	1					
25	445 0056 008	Bushing		1					
26	216 0108 002	Tuner pack	For E2,EK,E1	1					
	216 0109 001	· ·	For E3	1					
	3	PWB spacer (H=8)		3					İ
		Card spacer (H=8)	[2				1	
29	393 8049 004	1		1					
30	1	Remote sencer holder		1					
	415 0844 002								
31	l .		1	'					
32	951 0033 209								
33	951 0016 705	ł.		1	11				
34	951 0016 909			1 1					



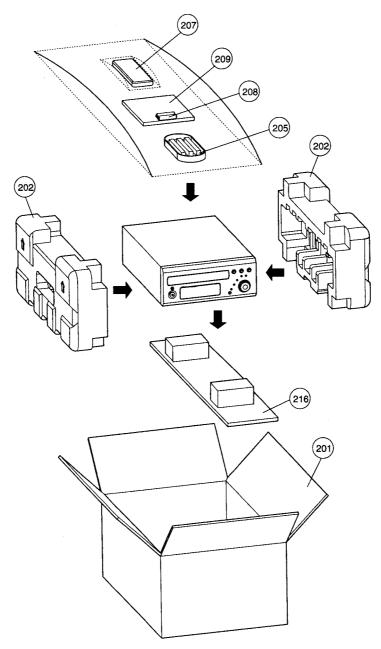


EXPLODED VIEW OF MECHANISM UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	964 0009 006	Frame chassis		1
2	964 0009 103	Magnet plate		1
3	964 0009 200	Rubber cushion		2
4	964 0009 307	Rubber cushion		2
5	964 0009 404	Magnet holder		1
6	964 0009 501	Drive gear		1
7	964 0009 608	Slide gear		1 1
. 8	964 0009 705	Pulley gear		1
9	964 0009 802	Square belt		1
10	964 0009 909	Magnet		1
11	964 0010 008	Mecha lifter		1
12	964 0010 105	Loading table ass'y		1
13		Loading motor		1
14	964 0010 202	5P Plug		1
15	964 0010 309	Push switch 2-1		2
16	964 0010 406	Cushion		9
17	964 0010 503	Cushion		2
18	964 0010 600	Motor P.W.B.		2
19	964 0010 707	Screw 3×8 SCR S-TPG BIN		1
20	964 0010 804	Mecha DA11T3C		1

Only the parts listed in the left table can be changed. Replace the Mecha. Unit if other parts than listed ones are to be repaired.

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Qʻty
201	501 2090 003	Carton case		1	210	515 0690 404	DEL Warraty home	E3 only	1
202	503 1358 001	Cushion		2	211	515 0867 004	Service list		1
203	951 0016 608	Poly cover		1	212		Contorol card	For E2,EK	1
204	505 0038 030	Envelope		1	212		Contorol card	For E3	1
205	951 0009 107	AM loop antenna		1	212	_	Contorol card	For E1	1
206	951 0009 301	FM antenna		1	213	_	Manyufactured label	For E3	1
207	951 0009 000	Remote contorol		1	214	517 1431 008	POS label	For E2	1
208	_	Battery		2	214	517 1431 011	POS label	For EK	2
209	511 3651 008	Instruction manual	For E2,EK	1	215	517 1433 006	UPC label	For E3	1
209	511 3652 007	Instruction manual	For E3	1	216		Sub cushion		1
209	511 3650 009	Instruction manual	For E1	1					

MEMO:

2 2 ad

OOMMSIDE]

R241-R246 CHIP JUMPE (2125)

[1.00mmSIDE

JK401 H/FHONE

C901 CK1000P PLATE F94

<u>0</u>4∆

ZD201

2. 2K

¥ 1002 1005 1005

DARXD DATXD

R246 0

0 H411 0 N Z

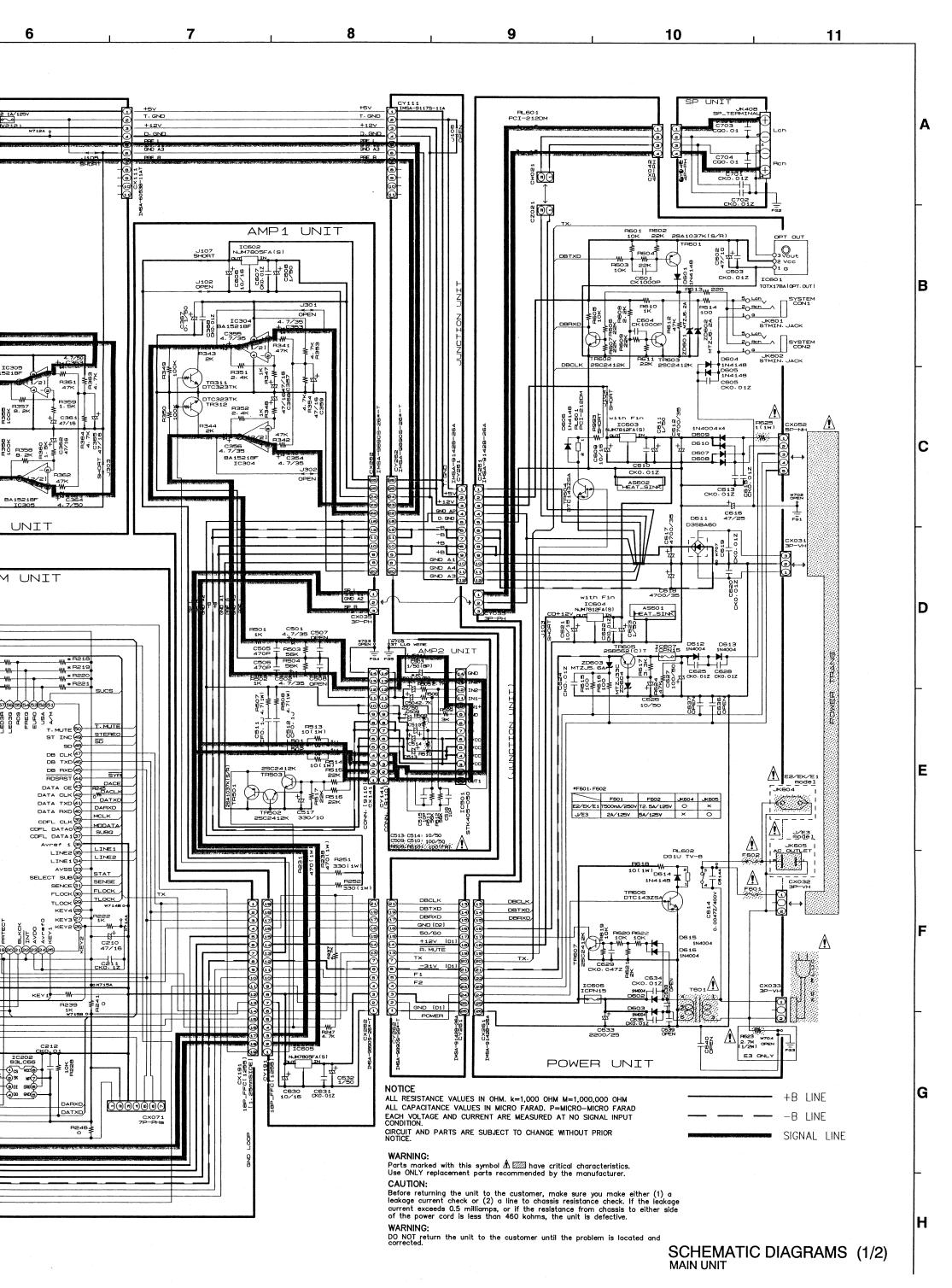
5413 ROTALY ENCODER

JOGA JOGB

LD401 SLR-933605-91

H 410

TR402 DTC114EK



C117 CK1000P

C118 CKO. 1Z

C116 CK1000P

H143 H107 1.5K

A139 100

-W

C173

TR102 2SA933(R/S)

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L101 8

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R194 [1.25mmSIDE] MCLK. CY241 24P_FFC[1255] 120 787 TX. MDDATA. ₹R199 5VD2 C147 R163 CK3300P 560 C150 22/10 +_H ROUT AGND LOUT A133 19 MCLK. C123 CKO, 1Z C131 100/10 MDDATA. SUBQ. MLD. TR103 DTC114EK STAT. SENSE. C142 CKO. 1Z C151 100P FLOCK. 3. 3K C199 (J101) TLOCK. BLKCK. IPFLAG (76) (74) (73) (72) R240 Sack. DMUTE. B D. GND D. GND TEST (7) W R131 O

TOSEL (70) W R145

CK384 (69) DEMPH (68)

AVDD (67) 1 C155 22/10 9 W713A 6 P. GND A167 001177 001177 SAST. 511 CDPOWER +12\ IC203 NJM7805FR 1 +120 OUT2D 63 W R150 B151 OUT1C 63 W R152 200K AVSS1 62 VCOF2 61 W713B 3.3K C182 0.01Z 7/11 +B LINE SIGNAL LINE

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9

7

6

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